

PAT-NO: JP357126722A
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TITLE: MOTORCYCLE HAVING ENGINE WITH TURBO-SUPERCHARGER
PUBN-DATE: August 6, 1982

INVENTOR-INFORMATION:

NAME	COUNTRY
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
HONDA MOTOR CO LTD	N/A

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ABSTRACT:

PURPOSE: To protect the front surface of a supercharger and settle the layout of the exhaust pipe system by installing a turbo-supercharger at the rear of the engine equipped with a plurality of cylinders and installing an exhaust collecting box which communicates to the turbine of the supercharger at the front of the engine.

CONSTITUTION: A turbo-supercharger S is installed on the back surface of the lower case 2b of a transmission case 2, and an exhaust collecting box 14 is installed at the front of the transmission case 2, and interference with each part of an engine is obviated. The exhaust gas discharged from a cylinder 6 into an exhaust manifold 8 converges in the exhaust collecting box 14 and revolves a turbine vane wheel 18, when passing through a turbine T through an exhaust pipe 15, and drives a compressor vane wheel 20 through a rotary shaft 22. Therefore, the intake air from an air cleaner 13 is compressed by a compressor C and sent into a prechamber 11 and distributed into each independent intake pipe of an intake manifold 7, and the flow rate is controlled by a throttle valve 9, and the air is mixed with the injection fuel from an injection nozzle 10 and supplied into a cylinder 6.

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